

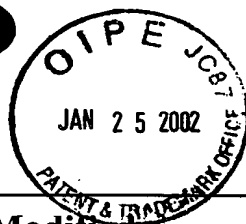
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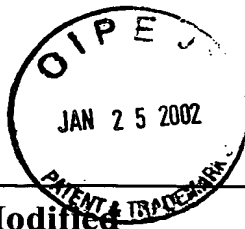
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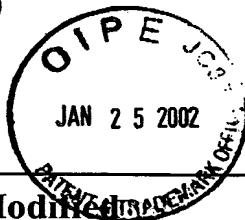
<b>Form PTO-1449 Modified</b>		Docket No. <b>ABI-0034</b>	Serial No. <b>09/998,887</b>
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant <b>Ian J. McLaughlin et al.</b>	
U.S. Department of Commerce Patent and Trademark Office		Filing Date <b>October 31, 2001</b>	Group <b>Not yet assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
<i>JS</i>	<b>AA</b>	Atha, D.H. et al., "Detection of p53 point mutations by single strand conformation polymorphism: Analysis by capillary electrophoresis," <i>Electrophoresis</i> , <b>1998</b> , <i>19</i> , 172-179	
	<b>AB</b>	Baskaran, N. et al., "Uniform amplification of a mixture of deoxyribonucleic acids with varying GC content," <i>Genome Research</i> , <b>1996</b> , <i>6</i> , 633-638	
	<b>AC</b>	Bradshaw, P.S. et al., "Fluorescent BAT-25 and BAT-26 analysis of T cell prolymphocytic leukaemia," <i>BTS Leukemia</i> , <b>1999</b> , <i>13</i> , 2104-2106	
	<b>AD</b>	Bruford et al., "Microsatellites and their application to population genetic studies," <i>Curr Biol</i> , <b>1993</b> , <i>3</i> , 939-943	
	<b>AE</b>	Bruland, O. et al., "Accurate determination of the number of CAG repeats in the Huntington disease gene using a sequence-specific internal DNA standard," <i>Clin Genet</i> , <b>1995</b> , <i>55</i> (3), 198-202	
	<b>AF</b>	Chen et al. "Presence and instability of repetitive elements in sequences the altered expression of which characterizes risk for colonic cancer," <i>Cancer Res.</i> , <b>1995</b> , <i>55</i> , 174-180	
	<b>AG</b>	Chevet, E. et al., "Low concentrations of tetramethylammonium chloride increase yield and specificity of PCR," <i>Nucl. Acids Res.</i> , <b>1995</b> , <i>23</i> (16), 3343-3344	
	<b>AH</b>	Christensen, M. et al., "Comparasion of three methods of microsatellite detection," <i>Scand J Clin Lab Invest</i> , <b>1999</b> , <i>59</i> (3), 167-178	
	<b>AI</b>	Clark, J.M., "Novel non-templated nucleotide addition reactions catalyzed by procaryotic and eucaryotic DNA polymerases," <i>Nucleic Acid Research</i> , <b>1988</b> , <i>16</i> , 9677-9686	
	<b>AJ</b>	Colburn, N.H. et al., "PCR-direct sequencing of GC-rich region by inclusion of 10% DMSO: application to mouse c-jun," <i>Biotechniques</i> , <b>1993</b> , <i>15</i> (3), 372 and 374	
<i>JS</i>	<b>AK</b>	de la Chapelle, "Testing tumors for microsatellite instability," <i>Eur J. Hum. Genet.</i> , <b>1999</b> , <i>7</i> , 407-408	
EXAMINER <i>Jeffrey Stein</i>		DATE CONSIDERED <i>4/17/03</i>	



<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>ABI-0034</b>	Serial No. <b>09/998,887</b>
		Applicant <b>Ian J. McLaughlin et al.</b>	
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
JS	AL	Del Vecchio, P. et al., "The effects of polyols on the thermal stability of calf thymus DNA," <i>Int'l Jrrl of Biol Macro</i> , <b>1999</b> , 24, 361-369	
	AM	Dimo-Simonin, N. et al., "Forensic validation of the short tandem repeat HUMACTBP2 using capillary electrophoresis," <i>Electrophoresis</i> , <b>1998</b> , 19(2), 256-61	
	AN	Edwards, A. et al., "DNA typing and genetic mapping with trimeric and tetrameric tandem repeats," <i>Am J. Hum. Genet</i> , <b>1991</b> , 49, 746-756	
	AO	Edwards, A. et al., "Genetic Variation at five trimeric and tetrameric tandem repeat loci in four human population groups," <i>Genomics</i> , <b>1992</b> , 12, 241-253	
	AP	Eichler, E.E. et al., "Length of uninterrupted CGG repeats determines instability in the FMR1 gene," <i>Nat Genet</i> , <b>1994</b> , 8, 88-94	
	AQ	Eichler, E.E., et al., "Haplotype and interspersed analysis of the FMR1 CGG repeat identifies two different mutational pathways for the origin of the fragile X syndrome," <i>Hum Mol Genet</i> , <b>1996</b> , 5(3), 319-330	
	AR	Frackman, S. et al., "Betaine and DMSO: Enhancing agents for PCR," <i>Promega Notes</i> , 65, 27-29	
	AS	Frazier, R.R.E. et al., "Validation of the applied biosystems Prism™ 377 automated sequencer for forensic short tandem repeat analysis," <i>Electrophoresis</i> , <b>1996</b> , 17(10), 1550-2	
	AT	Frégeau, C. et al., "DNA typing with fluorescently tagged short tandem repeats: A sensitive and accurate approach to human identification," <i>Biotechniques</i> , <b>1993</b> , 15(1), 100-119	
	AU	Fujigasaki, H. et al., "SCA12 is a Rare Locus for Autosomal Dominant Cerebellar Ataxia: a Study of an Indian Family," <i>Ann Neurol</i> , <b>2001</b> , 49 (1), 117-21	
	AV	Goldstein, D.B. et al., "Genetic absolute dating based on microsatellites and the origin of modern humans," <i>Proc Natl Acad Sci USA</i> , <b>1995</b> , 92, 6723-6727	
JS	AW	Hagelberg, E. et al., "Identification of the skeletal remains of a murder victim by DNA analysis," <i>Nature</i> , <b>1991</b> , 352, 427-429	
EXAMINER		DATE CONSIDERED	
Jeffrey		4/17/03	



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<i>js</i>	<b>AX</b>	Hammond, H. et al., "Evaluation of 13 short tandem repeat loci for use in personal identification applications," <i>Am J Hum Genet</i> , <b>1994</b> , <i>55</i> , 175-189	
	<b>AY</b>	Hauge, X.Y. et al., "A study of the origin of "shadow bands" seen when typing dinucleotide repeat polymorphisms by the PCR," <i>Human Molecular Genetics</i> , <b>1993</b> , <i>2(4)</i> , 411-415	
	<b>AZ</b>	Henke, W. et al., "Betaine improves the PCR amplification of GC-rich DNA Sequences," <i>Nucleic Acids Research</i> , <b>1997</b> , <i>25(19)</i> , 3957-3958	
	<b>BA</b>	Hengen, P.N. "Optimizing multiplex and LA-PCR with betaine," <i>TIBS</i> , <b>1997</b> , <i>22</i> , 225 and 226	
	<b>BB</b>	Hite, J.M. et al., "Factors affecting fidelity of DNA synthesis during PCR amplification of d(C-A) <sub>n</sub> d(G-T) <sub>n</sub> microsatellite repeats," <i>Nucleic Acids Research</i> <b>1996</b> , <i>24(12)</i> , 2429-2434	
	<b>BC</b>	Ionov, Y. et al., "Ubiquitous somatic mutations in simple repeated sequences reveal a new mechanism for colonic carcinogenesis," <i>Nature</i> , <b>1993</b> , <i>363</i> , 558-561	
	<b>BD</b>	Khidiatova IM et al., "A Study of Expansion and mutation rate of the CTG Repeat in the myotonic dystrophy gene," <i>Genetika</i> , <b>2000</b> , <i>36(10)</i> , 1410-1413 (English Abstract Provided)	
	<b>BE</b>	Kovárová, M. et al., "New Specificity and yield enhancer of polymerase chain reactions," <i>Nucl. Acids Res.</i> , <b>2000</b> , <i>28(13)</i> :e70	
	<b>BF</b>	Levinson, G. et al., "Slipped-strand mispairing: A Major mechanism for DNA sequence evolution," <i>Mol. Biol.Evol</i> , <b>1987</b> , <i>4(3)</i> , 203-221	
	<b>BG</b>	LeProust, E.M. et al., "Unexpected Formation of Parallel Duplex in GAA and TTC Trinucleotide Repeats of Friedreich's Ataxia," <i>J Mol Biol</i> , <b>2000</b> , <i>302(5)</i> , 1063-80	
	<b>BH</b>	Lin, T-Y. et al., "Why Do Some Organisms Use a Urea-methylamine Mixtures as Osmolyte? Thermodynamic Compensation of Urea and Trimethylamine N-Oxide Interactions with Protein," <i>Biochemistry</i> , <b>1994</b> , <i>33</i> , 12695-12701	
<i>js</i>	<b>BI</b>	Litt, M. et al. "Shadow Bands Seen When Typing Polymorphic Dinucleotide Repeats: Some Causes and Cures," <i>BioTechniques</i> , <b>1993</b> , <i>15(2)</i> , 281-284	
<b>EXAMINER</b> <i>Jeffrey Lewis</i>		<b>DATE CONSIDERED</b> <i>4/17/03</i>	

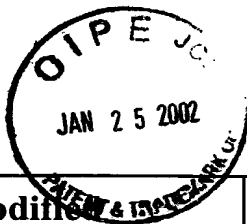


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		Filing Date <b>October 31, 2001</b>	Group <b>Not yet assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
JB	BJ	Magnuson, V.L. et al., "Substrate nucleotide- determined non-templated addition of adenine by Taq DNA polymerase: Implications for PCR-based genotyping and cloning," <i>Biotechniques</i> , <b>1996</b> , 21(4), 700-709	
	BK	McDowell, D.G. et al., "Localised sequence regions possessing high melting temperatures prevent the amplification of a DNA mimic in competitive PCR," <i>Nucl. Acids Res.</i> , <b>1998</b> , 26(14), 3340-3347	
	BL	Müller, T. et al., "GCG repeats and phenotype in oculopharyngeal muscular dystrophy," <i>Muscle &amp; Nerve</i> , <b>2001</b> , 24(1), 120-2	
	BM	Murray, V. et al., "The determination of the sequences present in the shadow bands of a dinucleotide repeat PCR," <i>Nucleic Acids Research</i> , <b>1993</b> , 21(10), 2395-2398	
	BN	Mytelka, D.S. et al., "Analysis and suppression of DNA polymerase pauses associated with a trinucleotide consensus," <i>Nucleic Acids Research</i> , <b>1996</b> , 24(14), 2774-2781	
	BO	Notomi, T. et al., "Loop-mediated isothermal amplification of DNA," <i>Nucl. Acids Res.</i> , <b>2000</b> , 28(12):63e	
	BP	Odelberg, S.J. et al., "A method for accurate amplification of polymorphic CA-repeat sequences," <i>PCR Methods and Applications</i> , <b>1993</b> , 7-12	
	BQ	Orosz, J.M. et al., "DNA melting temperatures and renaturation rates in concentrated alkylammonium salt solutions," <i>Biopolymers</i> , <b>1977</b> , 16, 1183-1199	
	BR	Papp, A.C. et al., "Strategies for amplification of trinucleotide repeats: Optimization of fragile X and androgen receptor PCR," <i>Molecular Diagnosis</i> , <b>1996</b> , 1(1), 59-64	
	BS	Parsons, R. et al., "Microsatellite instability and mutations of the transforming growth factor $\beta$ type II receptor gene in colorectal cancer," <i>Cancer Res</i> , <b>1995</b> , 55, 5548-5550	
	BT	Potaman, V.N., "Prevention of unexpectedly long PCR products primed at short inverted repeats," <i>Biotechniques</i> , <b>1999</b> , 27, 1110, 1112 and 1114	
JB	BU	Primmer, C.R. et al., "Resolving genetic relationships with microsatellite markers: a parentage testing system for the swallow <i>Hirundo rustica</i> ," <i>Mol Ecol.</i> , <b>1995</b> , 4, 493-498	
EXAMINER		DATE CONSIDERED 4/17/03	

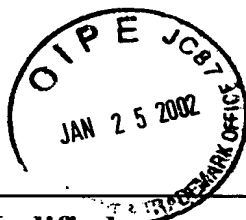


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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

JS	BV	Pyatt, R. et al., "Polymorphic Variation at the BAT-25 and BAT-26 Loci in Individuals of African Origin," <i>Am J. Pathol.</i> , <b>1999</b> , 155(2), 349-353
	BW	Liu, Q. et al., "Subcycling-PCR for multiplex long-distance amplification of regions with high and low GC content: application to the inversion hotspot in the factor VIII gene," <i>Biotechniques</i> , <b>1998</b> , 25, 1022-1028
	BX	Rajendrakumar, C.S.V. et al., "DNA helix destabilization by proline and betaine: possible role in the salinity tolerance process," <i>FEBS Letters</i> , <b>1997</b> , 410, 201-205
	BY	Rees, W.A. et al., "Betaine can eliminate the base pair composition dependence of DNA melting," <i>Biochemistry</i> , <b>1993</b> , 32, 137-144
	BZ	Rouba, A. et al, "Patterns of allelic loss at the <i>BRCA1</i> locus in Arabic women with breast cancer," <i>Int J Mol Med</i> , <b>2000</b> , 6(5), 565-9
	CA	Schweitzer, B. et al., "Immunoassays with rolling circle DNA amplification: A versatile platform for ultrasensitive antigen detection," <i>PNAS</i> , <b>2000</b> , 97(18), 10113-10119
	CB	Stewart, I. "Symmetry and chaotic data," <i>Nature</i> , <b>1991</b> , 354, 113
	CC	Tahir, M.A. et al., "DNA typing of samples for polymarker, DQA1, and nine STR loci from a human body exhumed after 27 years," <i>J Forensic Sci</i> , <b>2000</b> , 45(4), 902-7
	CD	Tautz, D., et al., "Cryptic simplicity in DNA is a major source of genetic variation," <i>Nature</i> , <b>1986</b> , 322, 652-656
	CE	Weber, J.L. "Informativeness of human (dC-dA) <sub>n</sub> · (dG-dT) <sub>n</sub> polymorphisms," <i>Genomics</i> , <b>1990</b> , 7, 524-530
	CF	Weissensteiner, T. et al., "Strategy for controlling preferential amplification and avoiding false negatives in PCR typing," <i>Biotechniques</i> , <b>1996</b> , 21(6), 1100-1108
	CG	Wenz, H. et al., "High-precision genotyping by denaturing capillary electrophoresis," <i>Genome Res.</i> , <b>1998</b> , 8, 69-80
JS	CH	Zhou et al., "Allelic profiles of mononucleotide repeat microsatellites in control individuals and in colorectal tumors with and without replication errors," <i>Oncogene</i> , <b>1997</b> , 15, 1713-1718

EXAMINER <i>Jeffrey Suen</i>	DATE CONSIDERED <i>4/17/03</i>
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**Form PTO-1449 Modified**

List of Patent and Publications  
Cited by Applicant  
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U.S. Department of Commerce  
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Filing Date  
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Group  
**Not yet assigned**

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

*	<i>JS</i>	<b>CI</b>	Ausubel et al., Current Protocols in Molecular Biology, Molecular Cloning, A Laboratory Manual (3 <sup>rd</sup> ed), <i>John Wiley &amp; Sons</i> , New York, <b>1998</b>
*		<b>CJ</b>	Ausubel et al., Current Protocols In Molecular Biology, <i>John Wiley &amp; Sons</i> , <b>2001</b>
*		<b>CK</b>	Kaufman et al., Eds., Directed Mutagenesis: A Practical Approach, <i>IRL Press</i> , <b>1991</b>
*		<b>CL</b>	Kaufman et al., Eds., Handbook of Molecular and Cellular Methods in Biology and Medicine, CRC Press, Boca Raton, <b>1995</b>
*		<b>CM</b>	McPherson, Ed., Directed Mutagenesis: A Practical Approach, <i>IRL Press</i> , Oxford, <b>1991</b>
*		<b>CN</b>	Mullis, K.B. et al., Eds., The Polymerase Chain Reaction, Birkhause, Boston, <b>1994</b>
*	<i>JS</i>	<b>CO</b>	Sambrook, J., et al., Eds, Molecular Cloning: A Laboratory Manual (3 <sup>rd</sup> Ed), <b>2001</b>

**EXAMINER***Jeffrey Lee***DATE CONSIDERED***4/17/03*

\* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.

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Group  
**Not yet assigned**

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
<i>JS</i>	CP	5,545,539	08/13/96	Miller	435	91.2
	CQ	5,364,759	11/15/94	Caskey et al.	435	6
	CR	5,580,728	12/03/96	Perlin	435	6
	CS	5,846,716	12/08/96	Miller	435	6
<i>JS</i>	CT	6,156,512	12/05/00	Schumm et al.	435	6

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation YES NO	
<i>JS</i>	CU	DE 44 11 588 C1	09/28/95	Germany	<i>des/sbly</i> —	X(abstract)
<i>JS</i>	CV	WO 99/46400	09/16/99	PCT	—	✓
EXAMINER <i>Jeffrey L. ...</i>				DATE CONSIDERED <i>4/17/03</i>		